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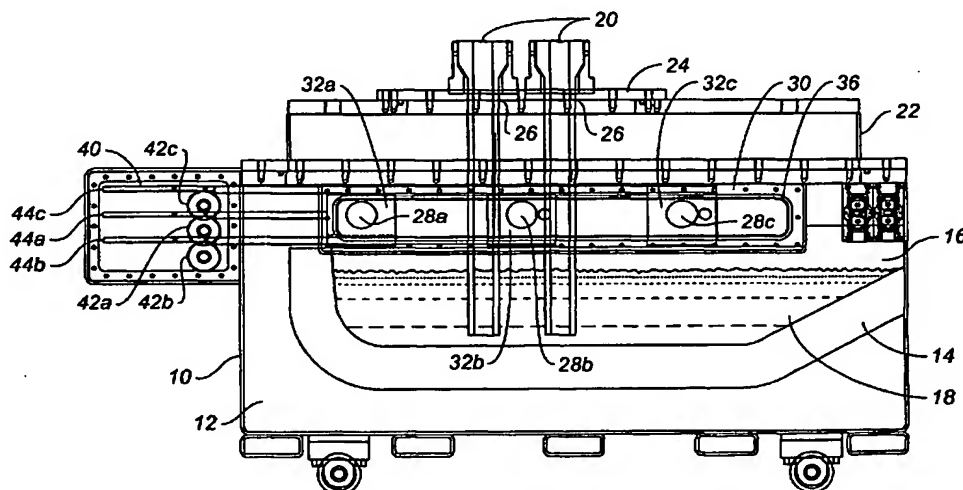
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(54) Title: METAL INJECTION MOLDING FURNACE HEATING ELEMENT ADJUSTMENT APPARATUS



(57) Abstract: An adjustment apparatus for independent and selective positioning of resistance heating elements (28) in a pressurized metal injection-molding holding furnace (10) having a reservoir (16) for holding molten metal and feed tubes (20) for delivery of molten metal to injection molds, said apparatus including a plurality of movable elongate electrical resistance heating elements (28) disposed horizontally above the reservoir (16), each of the heating elements (28) supported at each end in a movable heating element box (32). Each of the heating elements (28) has an unshielded portion (34) for the introduction of heat into the reservoir (16). Heating element adjustment means (40) selectively and independently move each of the heating elements (28) relative to one another. The adjustment means (40) may take a number of forms, including rack and pinion assemblies, timing chain and pinion gear assemblies, and screw drive assemblies, operatively connected to the heating element boxes (32).